

Title (en)
MAGNETIC CIRCUIT FOR SOLENOID VALVE

Title (de)
MAGNETKREIS FÜR MAGNETVENTIL

Title (fr)
CIRCUIT MAGNÉTIQUE D'ÉLECTROVANNE

Publication
EP 2135264 B1 20130313 (DE)

Application
EP 08708193 A 20080125

Priority
• EP 2008050857 W 20080125
• DE 102007011050 A 20070307

Abstract (en)
[origin: WO2008107224A2] The invention relates to a magnetic circuit (10) for a solenoid valve for the actuation of an armature (22) having an armature bolt (26) and an armature plate (24). The magnetic circuit (10) comprises a magnetic core (12) made of a powder composite material in which a magnetic coil (28) is embedded. The magnetic core (12) has an internal pole (40) and an external pole (42). A pole disk (44) is located between the magnetic core (12) and the armature (22), said pole disk covering at least the external pole (42) of the magnetic core (12) and being made of ferromagnetic material.

IPC 8 full level
H01F 7/08 (2006.01)

CPC (source: EP)
F02M 63/0017 (2013.01); **F02M 63/0075** (2013.01); **H01F 7/081** (2013.01); **F02M 47/027** (2013.01); **F02M 2200/9092** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007011050 A1 20080911; EP 2135264 A2 20091223; EP 2135264 B1 20130313; WO 2008107224 A2 20080912;
WO 2008107224 A3 20081120

DOCDB simple family (application)
DE 102007011050 A 20070307; EP 08708193 A 20080125; EP 2008050857 W 20080125